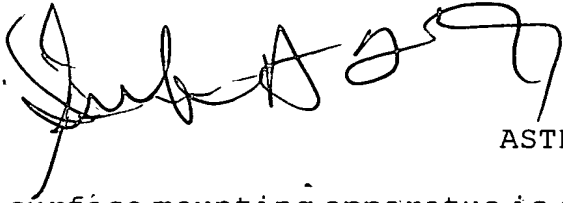


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ABSTRACT

A surface mounting apparatus is disclosed in which a plurality of components are held at a time by head units coupled to a plurality of Y-frames and then mounted on a printed circuit board. The apparatus is featured in that the apparatus comprises a moving member movable freely in a predetermined direction, and on which a printed circuit board is seated; a plurality of fixed X-frames, a plurality pairs of Y-frames installed with respect to the X-frames, each of Y-frames being formed in a stripe shape; head units installed at predetermined places of the Y-frames; a plurality of vision units installed at predetermined places with a predetermined spacing between the X-frame and the vision unit.

An advantage is provided by the surface mounting apparatus according to the present invention in that a plurality of Y-frames, each being in a strip shape, are provided to hold lots of components at a time, and after confirming them by the vision unit, the plural components are mounted on the PCB.